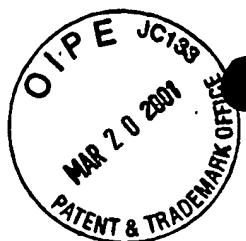


Seg. listing
4-8



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

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Washington, DC 20231

APPLICATION NO.	01/11100	SEULBERGER	H	48141
FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.	

HZ12/0308

KEIL & WEINKAUF
1101 CONNECTICUT AVE NW
WASHINGTON DC 20036

RECEIVED

KRUSE, D
EXAMINER

MAR 12 2000

KEIL & WEINKAUF

1638
ART UNIT PAPER NUMBER

03/08/01

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS
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WASHINGTON, DC 20231
www.uspto.gov

APPLICATION NO. / CONTROL NO.	ENT & TRADEMARK OFFICE FILED DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
----------------------------------	--------------------------------------	---	---------------------

EXAMINER

ART UNIT PAPER

7

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents

The communication filed 5 January 2001 is not fully responsive to the Office communication mailed 18 December 2000 for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of **ONE (1) MONTH** from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner David Kruse, Ph.D., Art Unit 1638, whose telephone number is (703) 306-4539.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

David Kruse Art Unit 1638
7 March, 2001

AMY J. NELSON, PH.D.
PRIMARY EXAMINER



Notice 1 Comply

Application No.	Applicant(s)
09/462,629	SEULBERGER ET AL.
Examiner	Art Unit
David H Kruse	1638

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other:

Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

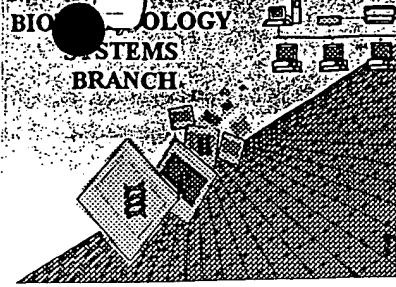
Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

KW

**RAW SEQUENCE LISTING
ERROR REPORT**



#4
RECEIVED
FEB 05 2001
SEARCH CENTER

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/462,629

Source: 1638

Date Processed by STIC: 1/24/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE SEE BELOW

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/462,629

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".

2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".

3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.

4 Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

8 Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 Use of <213>Organism (NEW RULES) Sequence(s) are missing this mandatory field or its response.

12 Use of <220>Feature (NEW RULES) Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

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1638

TECH CENTER 1638

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/462,629

DATE: 01/24/2001
TIME: 13:38:32

Input Set : A:\462629.txt
Output Set: N:\CRF3\01242001\I462629.raw

3 <110> APPLICANT: Seulberger, Harald
4 Lerchl, Jenms
5 Schmidt, Ralf-Michael
6 Krupinska, Karin
7 Falk, Jon
9 <120> TITLE OF INVENTION: DNA sequence encoding a hydroxyphenylpyruvate dioxygenase, and its

10 overproduction in plants

OK-> 0 <130> FILE REFERENCE:

12 <140> CURRENT APPLICATION NUMBER: US 09/462,629

13 <141> CURRENT FILING DATE: 2000-01-11

15 <150> PRIOR APPLICATION NUMBER: PCT/EP98/03832

16 <151> PRIOR FILING DATE: 1998-06-23

18 <160> NUMBER OF SEQ ID NOS: 2

20 <170> SOFTWARE: WordPerfect version 6.1

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 1565

24 <212> TYPE: DNA

25 <213> ORGANISM: hppd from barley

27 <220> FEATURE:

28 <221> NAME/KEY: CDS

29 <222> LOCATION: 9 ... 1313

31 <400> SEQUENCE: 1

33 cgcacacc atg ccg ccc acc ccc acc acc ccc gcg gct acc ggc gcc gcc50

34 Met Pro Pro Thr Pro Thr Pro Ala Ala Thr Gly Ala Ala

35 1 5 10

37 gcc gcg gtg acg ccg gag cac gcg cga ccg cac cga atg gtc cgc ttc98

38 Ala Ala Val Thr Pro Glu His Ala Arg Pro His Arg Met Val Arg Phe

39 15 20 25 30

41 aac ccg cgc agc gac ccg ttc cac acg ctc tcc cac cac gtc gag146

42 Asn Pro Arg Ser Asp Arg Phe His Thr Leu Ser Phe His His Val Glu

43 35 40 45

45 ttc tgg tgc gcg gac gcc tcc gcc ggc cgc ttc gcg ttc gcg194

46 Phe Trp Cys Ala Asp Ala Ser Ala Gly Arg Phe Ala Phe Ala

47 50 55 60

49 ctc ggc gcg ccg ctc gcc agg tcc gac ctc tcc acg ggg aac tcc242

50 Leu Gly Ala Pro Leu Ala Ala Arg Ser Asp Leu Ser Thr Gly Asn Ser

51 65 70 75

53 gcg cac gcc tcc cag ctg ctc cgc tcg ggc tcc ctc gcc ttc ctc ttc290

54 Ala His Ala Ser Gln Leu Leu Arg Ser Gly Ser Leu Ala Phe Leu Phe

55 80 85 90

57 acc gcg ccc tac gcc aac ggc tgc gac gcc gcc acc gcc tcc ctg ccc338

58 Thr Ala Pro Tyr Ala Asn Gly Cys Asp Ala Ala Thr Ala Ser Leu Pro

59 95 100 105 110

61 tcc ttc tcc gcc gac gcc gcg cgc cggttc tcc gcc gac cac ggg atc386

62 Ser Phe Ser Ala Asp Ala Ala Arg Arg Phe Ser Ala Asp His Gly Ile

63 115 120 125

65 gcg gtg cgc tcc gta gcg ctg cgc gtc gca gac gcc gag gcc ttc434

Does Not Comply
Corrected Diskette Needed

P3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/462,629

DATE: 01/24/2001
TIME: 13:38:32

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Output Set: N:\CRF3\01242001\I462629.raw

66 Ala Val Arg Ser Val Ala Leu Arg Val Ala Asp Ala Ala Glu Ala Phe
67 130 135 140
69 cgc gcc agt cgt cga cgg ggc gcg cgc ccg qcc ttc gcc ccc gtg gac482
70 Arg Ala Ser Arg Arg Arg Gly Ala Arg Pro Ala Phe Ala Pro Val Asp
71 145 150 155
73 ctc ggc cgc ggc ttc gcg ttc gag gtc gag ctc tac ggc gac gtc530
74 Leu Gly Arg Gly Phe Ala Phe Ala Glu Val Glu Leu Tyr Gly Asp Val
75 160 165 170
77 gtg ctc cgc ttc gtc agc cac ccg gac ggc acg gac gtg ccc ttc ttg578
78 Val Leu Arg Phe Val Ser His Pro Asp Gly Thr Asp Val Pro Phe Leu
79 175 180 185 190
81 ccg ggg ttc gag ggc gta acc aac ccg gac gcc gtg gac tac ggc ctg626
82 Pro Gly Phe Glu Gly Val Thr Asn Pro Asp Ala Val Asp Tyr Gly Leu
83 195 200 205
85 acg cgg ttc gac cac gtc gtc ggc aac gtc ccg gag ctt gcc ccc gcc674
86 Thr Arg Phe Asp His Val Val Gly Asn Val Pro Glu Leu Ala Pro Ala
87 210 215 220
89 gca gcc tac atc gcc ggg ttc acg ggg ttc cac gag ttc gcc gag ttc722
90 Ala Ala Tyr Ile Ala Gly Phe Thr Gly Phe His Glu Phe Ala Glu Phe
91 225 230 235
93 acg gcg gag gac gtg ggc acg acc gag agc ggg ctc aac tcg gtg gtg770
94 Thr Ala Glu Asp Val Gly Thr Thr Glu Ser Gly Leu Asn Ser Val Val
95 240 245 250
97 ctc gcc aac aac tcg gag ggc gtg ctg ctg ccg ctc aac gag ccg gtg818
98 Leu Ala Asn Asn Ser Glu Gly Val Leu Leu Pro Leu Asn Glu Pro Val
99 255 260 265 270
101 cac ggc acc aag cgc cgg agc cag ata cag acg ttc ctg gaa cac cac866
102 His Gly Thr Lys Arg Arg Ser Gln Ile Gln Thr Phe Leu Glu His His
103 275 280 285
105 ggc ggc ccg ggc gtg cag cac atc gcg gtg gcc agc agt gac gtg ctc914
106 Gly Gly Pro Gly Val Gln His Ile Ala Val Ala Ser Ser Asp Val Leu
107 290 295 300
109 agg acg ctc agg aag atg cgt gcg cgc tcc gcc atg ggc ggc ttc gac962
110 Arg Thr Leu Arg Lys Met Arg Ala Arg Ser Ala Met Gly Gly Phe Asp
111 305 310 315
113 ttc ctg cca ccc ccg ctg ccg aag tac tac gaa ggc gtg cga cgc ctt1010
114 Phe Leu Pro Pro Leu Pro Lys Tyr Tyr Glu Gly Val Arg Arg Leu
115 320 325 330
117 gcc ggg gat gtc ctc tcg gag gcg cag atc aag gaa tgc cag gag ctg1058
118 Ala Gly Asp Val Leu Ser Glu Ala Gln Ile Lys Glu Cys Gln Glu Leu
119 335 340 345 350
121 ggt gtg ctc gtc gat agg gac gac caa ggg gtg ttg ctc caa atc ttc1106
122 Gly Val Leu Val Asp Arg Asp Asp Gln Gly Val Leu Leu Gln Ile Phe
123 355 360 365
125 acc aag cca gta ggg gac agg ccg acc ttg ttc ctg gag atg atc cag1154
126 Thr Lys Pro Val Gly Asp Arg Pro Thr Leu Phe Leu Glu Met Ile Gln
127 370 375 380
129 agg atc ggg tgc atg gag aag gac gag aga ggg gaa gag tac cag aag1202
130 Arg Ile Gly Cys Met Glu Lys Asp Glu Arg Gly Glu Glu Tyr Gln Lys

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/462,629

DATE: 01/24/2001
TIME: 13:38:32

Input Set : A:\462629.txt
Output Set: N:\CRF3\01242001\I462629.raw

131	385	390	395	
133	ggt ggc tgc ggc ggg ttc ggc aaa ggc aac ttc tcc gag ctg ttc aag	1250		
134	Gly Gly Cys Gly Gly Phe Gly Lys Gly Asn Phe Ser Glu Leu Phe Lys			
135	400	405	410	
137	tcc att gaa gat tac gag aag tcc ctt gaa gcc aag caa tct gct gca	1298		
138	Ser Ile Glu Asp Tyr Glu Lys Ser Leu Glu Ala Lys Gln Ser Ala Ala			
139	415	420	425	430
141	gtt cag gga tca taggatagaa gctggcctt gatatcatggt ctcatggagc	1350		
142	Val Gln Gly Ser			
144	aaaagaaaaac aatgttgtt gtaatatgcg tcgcacaatt atatcaatgt tataattgg	1410		
146	gaagctgaag acagatgtat cctatgtatg atgggtgtaa tggatggtag aggggctcac	1470		
148	acatgaagaa aatgttagcgt tgacattgtt gtacaatctt gcttgcaagt aaaataaaga	1530		
150	acagattttg agttctgcaa aaaaaaaaaaaa aaaaaa	1565		

153 <210> SEQ ID NO: 2

154 <211> LENGTH: 434

155 <212> TYPE: PRT

W--> 157 <213> ORGANISM:

157 <400> SEQUENCE: 2

159	Met Pro Pro Thr Pro Thr Pro Ala Ala Thr Gly Ala Ala Ala Ala			
160	1	5	10	15
162	Val Thr Pro Glu His Ala Arg Pro His Arg Met Val Arg Phe Asn Pro			
163	20	25	30	
165	Arg Ser Asp Arg Phe His Thr Leu Ser Phe His His Val Glu Phe Trp			
166	35	40	45	
168	Cys Ala Asp Ala Ala Ser Ala Ala Gly Arg Phe Ala Phe Ala Leu Gly			
169	50	55	60	
171	Ala Pro Leu Ala Ala Arg Ser Asp Leu Ser Thr Gly Asn Ser Ala His			
172	65	70	75	80
174	Ala Ser Gln Leu Leu Arg Ser Gly Ser Leu Ala Phe Leu Phe Thr Ala			
175	85	90	95	
177	Pro Tyr Ala Asn Gly Cys Asp Ala Ala Thr Ala Ser Leu Pro Ser Phe			
178	100	105	110	
180	Ser Ala Asp Ala Ala Arg Arg Phe Ser Ala Asp His Gly Ile Ala Val			
181	115	120	125	
183	Arg Ser Val Ala Leu Arg Val Ala Asp Ala Ala Glu Ala Phe Arg Ala			
184	130	135	140	
186	Ser Arg Arg Arg Gly Ala Arg Pro Ala Phe Ala Pro Val Asp Leu Gly			
187	145	150	155	160
189	Arg Gly Phe Ala Phe Ala Glu Val Glu Leu Tyr Gly Asp Val Val Leu			
190	165	170	175	
192	Arg Phe Val Ser His Pro Asp Gly Thr Asp Val Pro Phe Leu Pro Gly			
193	180	185	190	
195	Phe Glu Gly Val Thr Asn Pro Asp Ala Val Asp Tyr Gly Leu Thr Arg			
196	195	200	205	
198	Phe Asp His Val Val Gly Asn Val Pro Glu Leu Ala Pro Ala Ala Ala			
199	210	215	220	
201	Tyr Ile Ala Gly Phe Thr Gly Phe His Glu Phe Ala Glu Phe Thr Ala			
202	225	230	235	240
204	Glu Asp Val Gly Thr Thr Glu Ser Gly Leu Asn Ser Val Val Leu Ala			

This review identifier AND its response
are mandatory. See circled portion of item 12 on
Error summary

Sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/462,629DATE: 01/24/2001
TIME: 13:38:32Input Set : A:\462629.txt
Output Set: N:\CRF3\01242001\I462629.raw

205	245	250	255	
207	Asn Asn Ser Glu Gly Val Leu Leu Pro Leu Asn Glu Pro Val His Gly			
208	260	265	270	
210	Thr Lys Arg Arg Ser Gln Ile Gln Thr Phe Leu Glu His His Gly Gly			
211	275	280	285	
213	Pro Gly Val Gln His Ile Ala Val Ala Ser Ser Asp Val Leu Arg Thr			
214	290	295	300	
216	Leu Arg Lys Met Arg Ala Arg Ser Ala Met Gly Gly Phe Asp Phe Leu			
217	305	310	315	320
219	Pro Pro Pro Leu Pro Lys Tyr Tyr Glu Gly Val Arg Arg Leu Ala Gly			
220	325	330	335	
222	Asp Val Leu Ser Glu Ala Gln Ile Lys Glu Cys Gln Glu Leu Gly Val			
223	340	345	350	
225	Leu Val Asp Arg Asp Asp Gln Gly Val Leu Leu Gln Ile Phe Thr Lys			
226	355	360	365	
228	Pro Val Gly Asp Arg Pro Thr Leu Phe Leu Glu Met Ile Gln Arg Ile			
229	370	375	380	
231	Gly Cys Met Glu Lys Asp Glu Arg Gly Glu Glu Tyr Gln Lys Gly Gly			
232	385	390	395	400
234	Cys Gly Gly Phe Gly Lys Gly Asn Phe Ser Glu Leu Phe Lys Ser Ile			
235	405	410	415	
237	Glu Asp Tyr Glu Lys Ser Leu Glu Ala Lys Gln Ser Ala Ala Val Gln			
238	420	425	430	
240	Gly Ser			

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/462,629

DATE: 01/24/2001

TIME: 13:38:33

Input Set : A:\462629.txt

Output Set: N:\CRF3\01242001\I462629.raw

L:0 M:201 W: Mandatory field data missing. FILE REFERENCE

L:157 M:282 W: Numeric Field Identifier Missing, <213> is required.